

# Comparisons of Job Characteristics

**Focus Occupation:** Pump Operators, Except Wellhead Pumps (53-7072)

**Associated Occupation:** Water and Wastewater Treatment Plant and System Operators (51-8031)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 76

**Focus Occupation:** Pump Operators, Except Wellhead Pumps (53-7072)

**Associated Occupation:** Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.8	15.0	0	Current knowledge level may be sufficient
Mathematics	9.2	13.5	8.4	<<	Extensive education and/or training may be required
Physics	4.3	13.2	5.7	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.7	12.7	0	Current knowledge level may be sufficient
Chemistry	4.8	12.6	7.9	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	11.1	7.7	<<	Extensive education and/or training may be required
Biology	3.7	10.9	2.4	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.8	11.3	0	Current knowledge level may be sufficient
Building and Construction	4.0	10.0	6.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 93

**Focus Occupation:** Pump Operators, Except Wellhead Pumps (53-7072)

**Associated Occupation:** Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	11.9	12.3	0	Current skill level may be sufficient
Operation and Control	5.4	11.4	10.0	<	A higher skill level may be required

Quality Control Analysis	5.9	10.3	8.4	<	A higher skill level may be required
Equipment Maintenance	3.5	9.3	7.1	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	9.3	7.9	<	A higher skill level may be required
Repairing	3.4	9.0	7.5	<	A higher skill level may be required
Equipment Selection	3.3	7.4	5.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 88

**Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072)**

**Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Perceptual Speed	7.4	9.8	11.8	>	Current ability level is likely sufficient
Depth Perception	5.3	8.0	8.1	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	7.1	6.7	0	Current ability level may be sufficient
Gross Body Coordination	3.9	6.9	6.1	<	Some improvement in abilities may be required
Response Orientation	4.0	6.9	7.9	>	Current ability level is likely sufficient
Wrist-Finger Speed	3.2	5.4	6.0	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 94

**Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072)**

**Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)**

Work Activities	Exclusivity of Activity
Clean equipment or machinery	20
Collect samples for testing	58
Inspect machinery or equipment to determine adjustments or repairs needed	42
Load or unload material or workpiece into machinery	34
Maintain production or work records	19
Monitor production machinery/equipment operation to detect problems	27
Operate power driven pumps	66
Operate water treatment equipment	95
Test materials or solutions	73
Use hand or power tools	2
Use laboratory equipment	60

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: n/a
Focus Occupation: Pump Operators, Except Wellhead Pumpers (53-7072) Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)		
Tools and Technologies		Exclusivity
Tools and technology data is unavailable for one or both occupations.		

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.